



# भारत का राजपत्र

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

### COMMERCIAL WORKING OF PATENTED INVENTIONS

#### LIST NO. VI

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calendar year 1976 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purposes.

Sl. No.	Patent No.	Date of Patent	Name and address of the patentee	Brief title of the invention
1	2	3	4	5
1.	133340	20-4-1972	UCB SA 4 Chaussee de Charleroi Saint-Gilles-les-Bruxelles, Belgium.	1, 4-dihydro-1, 4-ethenoisoquinolin-3 (2H) ones.
2.	133347	25-10-1971	Horizons Research Inc, 2380 Mercantile Rd, Cleveland, Ohio, USA.	Curable fluoro phosphazene polymers.
3.	133353	25-10-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Polymerisation of alpha-olefins in the presence of mixed catalyst.
4.	133356	26-10-1971	Pfizer Inc, 235 East 42nd Street, New York.	Citric acid.
5.	133378	27-10-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	New water soluble fibre reactive azo dyestuffs.

1	2	3	4	5
6.	133394	28-10-1971	Amchem Products, Inc, Brookside Avenue, Ambler, Pennsylvania, USA.	Plant growth regulating composition.
7.	133408	29-10-1971	Union Carbide Corpn, 270 Park Avenue, New York. 10017.	Selective adsorption gas separation process.
8.	133410	20-4-1972	Fratmann S.A., 5 Chemin du Mont blanc 1224, Chene-Bougeries, Switzerland.	1-alkyl-2-aminomethyl pyrrolidines.
9.	133411	29-10-1971	Universal Oil Products Co., No. 30 Algonquin Rd, Illinois, USA.	Converting a hydrocarbon feed into lower boiling hydrocarbon products.
10.	133448	3-11-1971	Hindustan Lever Ltd, Hindustan Lever House, Bombay-20.	Toothpaste composition.
11.	133449	3-11-1971	Do.	Colourant composition for kiratinous fibres.
12.	133456	20-4-1972	Degussa, 9 Weissfrauenstrasse, Frankfurt/Main, Federal Republic of Germany.	Thienylalkan derivatives.
13.	133530	8-11-1971	Kennett Corpn, 161 East 42nd Street, N. York.	Extracting metal values from complex ores.
14.	133543	20-4-1972	Fratmann S.A., 5, Chemin du Mont Blanc, 1224 Chene-Bougeries, Switzerland.	N-[(1-ethyl-pyrrolidinyl-2)-methyl]-2-methoxy-5-sulfa-moyl benzamide
15.	133544	20-4-1972	Do.	N-(diethylaminoethyl)-2-methoxy-4-amino-5-chlorobenzamide.
16.	133548	9-11-1971	S.T.X 5 bis rue de Berrod, Paris 8e.	Dyeing textile fibres of basic character in an anhydrous medium.
17.	133549	9-11-1971	The Dow Chemical Co, Midland, Michigan, USA.	Regeneration of copper oxide & copper chromite catalysts.
18.	133555	9-11-1971	Snamprogetti SpA, 16 Corso Venezia, Milan, Italy.	Polymers by the cationic polymerisation of polymerisable monomers.
19.	133596	12-11-1971	S.T.X. 5 bis rue de Berrod, Paris 8e.	Treating textile fibres & fabrics.
20.	133599	12-11-1971	Spolana, Neratovice, Czechoslovakia.	Continuously preparation of perchloromethyl mercaptan.
21.	133612	15-11-1971	Exxon Research & Engg. Co, Linden, New Jersey, USA.	Lithium soap grease.
22.	133621	20-4-1972	The Wellcome Foundation Ltd, 183-193 Euston Rd, London.	Purine sugar derivatives.
23.	133640	16-11-1971	Cabot Corpn, 125 High Street, Boston, Massachusetts, USA.	Nickel base alloy.
24.	133659	17-11-1971	Ciba-Geigy of India Ltd, Aarey Rd, Goregaon East, Bombay-400063.	Azo compounds.
25.	133660	17-11-1971	UBE Industries Ltd, 12-32, 1-chome Nishihonbashi, Ube-shi, Yamaguchi, Japan.	Oxidation catalyst.
26.	133670	18-11-1971	Standard Brands Inc, 625 Madaison Avenue, N. York.	Isomerisation of glucose syrups.
27.	133677	19-11-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Water soluble monoazo dye-stuffs.

1	2	3	4	5
28.	133683	19-11-1971	Dr Beck & Co AG, 2 Hamburg 28, Federal Republic of Germany.	Polymers containing hydantoin groups.
29.	133684	19-11-1971	Ugine Kuhlmann, 10 rue Du General Foy, Paris 8 eme.	Extracting wet method phosphoric acid.
30.	133710	23-11-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Copper complex monoazo dye-stuffs.
31.	133711	23-11-1971	The Lubrizol Corpn, Cleveland, Ohio 44117, USA.	Flocculating solids suspended in an aqueous medium.
32.	133729	20-4-1972	F. Hoffmann La Roche & Co AG, 124-184 Grenzacherstrasse, Basle, Switzerland.	Benzodiazepine derivatives.
33.	133733	27-11-1971	Comproy Ltd, Compro Limiffee, 2242 Lakeshore Blvd, West, Toronto, Canada	The segregation process for the recovery of metals.
34.	133738	25-11-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main. Federal Republic of Germany.	Water soluble disazo dyestuffs.
35.	133766	26-11-1971	Metallgesellschaft AG, 6 Frankfurt am Main, Reuter Weg, 14, W. Germany.	Recovering pure maleic anhydride.
36.	133767	27-1-1973	Do	Do.
37.	133802	30-11-1971	Siemens AG, Berlin & Munich, W. Germany.	Cross linking of olefin polymers.
38.	133806	20-4-1972	Labaz 39 Avenue Pierre Ler de Serbie, 75008, Paris.	Indole derivatives.
39.	133819	1-12-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Water soluble mono-azo dye-stuffs.
40.	133822	1-12-1971	Armando Paulo Pellegrini 1329 Rua Ouro Preto, Belo Horizonte, Minas Gerais, Brazil.	Production of dry molasses from sugar cane or beetroot molasses.
41.	133840	3-12-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Water soluble monoazo dye-stuffs.
42.	133847	4-12-1971	I.C.I. Australia Ltd, 1 Nicholson Str, Melbourne, Victoria, Australia.	Explosive composition.
43.	133913	10-12-1971	Billeruds AB., Saffle, Sweden	Paper pulp from eucalyptus Wood.
44.	133946	20-4-1972	Eli Lilly & Co. 740 South Alabama Str, Indianapolis, Indiana, USA.	Recovery of cephalothin salt.
45.	133956	15-12-1971	Snampiogetti Sp.A., 16 Corso Venezia Milan, Italy.	Recovery of aromatic hydrocarbons.
46.	133975	16-12-1971	Fibreglass Ltd, 201-211 Martins Bldg, Water St, Liverpool, England.	Bonded glass fibres.
47.	133985	17-12-1971	Hindustan Lever Ltd, 165-166 Backbay Recl., Bombay-20.	Animal feed stuff.
48.	133997	18-12-1971	Mitsui Petrochemical Industries Ltd, 2-5, 3-chome, Kasumigasiki, Chiyodaku, Tokyo.	Terephthalic acid.
49.	134009	20-12-1971	Hindustan Lever Ltd, Hindustan Lever House, Millbank, London, SW. 1.	Supported nickel catalyst.
50.	134075	20-4-1972	F. Hoffmann La Roche & Co AG, 124-184 Grenzacherstrasse Basle, Switzerland.	6-amino-penicillanic acid derivatives.

1	2	3	4	5
51.	134076	27-12-1971	Monsanto Co, 800 North Lindbergh Blvd, St. Louis, Missouri 63166, USA.	Vulcanisation of vulcanisable diene rubber.
52.	134092	17-7-1972	Hindustan Lever Ltd, Hindustan Lever House, Bombay-20.	Recovery of oil from exhausted spent earth.
53.	134099	28-12-1971	Universal Oil Products Co, No. 10 UoP Plaza, Algonquin & Mt. Prospect Rds, Des Plaines, Illinois, USA.	Hydrocarbon separation process.
54.	134104	28-12-1971	Reynolds Leasing Corp, 1414 Seaboard Coastline Bldg, Jacksonville, Florida, USA.	Treating tobacco to increase its filling capacity.
55.	134107	28-12-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Water soluble fibre reactive azo dyestuffs.
56.	134135	30-12-1971	Snamprogetti S.p.A., 16 Corso Venezia Milan, Italy.	Separation of conjugated diolefins from mixtures containing them.
57.	134147	31-12-1971	Sinlohi Co, No. 19-12, 2-chome, Dai, Kamakarushi, Kangawa-ken, Japan.	Coloured resin particles.
58.	134151	31-12-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Basic oxazine dyestuffs.
59.	134152	31-12-1971	Do.	Water soluble reactive mono-azodyestuffs.
60.	134154	31-12-1971	Chief Scientist R & D Org, Ministry of Defence, Govt. of India, N. Delhi.	Cyclisation of rubber.
61.	134164	3-1-1972	Monsanto Co, 800 North Lindbergh Blvd, St. Louis, Missouri 63166, USA.	Preparation of new herbicidal N-(alkenyl-1-yl) amino-8-triazine compounds.
62.	134187	5-1-1972	Union Carbide Corp, 270 Park Avenue, New York.	Absorption process for recovery of nitrogen oxide from gas.
63.	134189	5-1-1972	Universal Oil Products Co, No. 10 UoP Plaza, Algonquin Mt-Prospect Rds, Des Plaines, USA.	Preparing improved hydros-ream furisation catalyst.
64.	134203	31-3-1973	Indian Explosives Ltd, ICI House, 34 Chowringhee Rd, Calcutta-16.	Cartridged slurry blasting explosives.
65.	134206	6-1-1972	Do.	Inorganic oxidiser salt containing aqueous slurry type blasting composition containing a mixture of fuel gas & oxygen as novel sensitizer.
66.	134207	20-4-1972	John Wyeth & Brother Ltd, Huntercombe Lane South, Taplow, Maidenhead, Berkshire, England.	Indole derivatives.
67.	134208	6-1-1972	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Shaped articles made from thermoplastic moulding composition on the basis of polyoxymethylenes.
68.	134209	6-1-1972	Do.	Manufacture of dyestuffs preparation comprising disperse dyestuff & resinic acid.
69.	134235	20-4-1972	Eli Lilly & Co, 240 South Alabama Str, Indianapolis, Indiana, USA.	Preparing novel cephalosporin complexes.
70.	134247	11-1-1972	UCB, 4 Chaussee de Charleroi, Saint-Gilles-lez-Bruxelles, Belgium.	Process for carrying out catalytic fluid bed ammoxidation reaction.

1.	2	3	4	5
71.	134250	11-1-1972	I.C.I. Australia Ltd, 1 Nicholson Str, Melbourne, Victoria, Australia	A slurry explosive composition of matter.
72.	134259	12-1-1972	Texaco Development Corpn, 135 East 42nd Street, New York 10017.	Continuous process for separating oily refinery sludge.
73.	134321	19-1-1972	Hindustan Lever Ltd, Hindustan Lever House, Backbay Recl. Bombay-20.	Sulfonation or sulphation.
74.	134326	19-1-1971	Prerovske Strojirny, Prerov, Czechoslovakia.	Burnt lime & burnt dolomite of fine granular or pulverulous material.
75.	134327	19-1-1972	Do.	Production of cement clinker from a slurry of pulverulous materials.
76.	134391	25-1-1972	Sham Progetti SpA, 16 Corso Venezia Milan, Italy.	Oxidation of olefins.
77.	134393	25-1-1972	Laporte Industries Ltd, Hanover Square, London W.1, England.	Beneficiation of ores.
78.	134411	28-1-1972	Sankyo Co Ltd, 1-6, 3 Chome, Nihonbashi Honcho Chuoko, Tokyo, Japan.	Preparing acid esters of 4 pipsidinol derivatives.
79.	134431	31-1-1972	The Rubber Research Institute of Malaya 3rd Mile Ampang Road, Kuala Lumpur, Malaya.	Stabilisation of natural rubber.
80.	134444	31-1-1972	Polysar Ltd, Sarnia, Ontario, Canada.	Vulcanisation of elastomers.
81.	134445	31-1-1972	Hindustan Lever Ltd, Hindustan Lever House, Bombay-20.	Toothpaste.
82.	134454	1-2-1972	Alex Lawrie & Co. Ltd, Buvster House 37 Mincing Lane, London, E.C. 3, England.	Processing green tea leaf.
83.	134490	3-2-1972	Snamprogetti S.p.A., 16 Corso Venezia Milan, Italy.	Polymerisation of an olefine at high pressure in tubular reactions
84.	134504	4-2-1972	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Optical brightening of organic materials.
85.	134515	7-2-1972	Exxon Research & Engg Co, Linden, New Jersey. USA.	Solvent dewaxing & deoiling process.
86.	134517	4-6-1970	I.C.I. Ltd, Imperial Chemical House, Millbank, London, SW.1.	Ammonium phosphate.
87.	134518	7-2-1972	Burmah Oil Trading Ltd, Burmah House, London, EC 1.	Hydraulic fluids.
88.	134523	7-2-1972	Aikoh Co. Ltd., No. 1-39, 2 chome, Tkenohate, Taito-ku, Tokyo, Japan	Slag forming agent for the steel making
89.	134524	7-2-1972	E.I. du Pont de Nemours, Wilmington, Delaware, USA.	Solvent free process for preparing 3-(halophenyl)-1, 1-diethyl ureas.
90.	134531	8-2-1972	Melle Bezons, 79 Saint-Leger Les Melle, Deux-Sevres, France.	High boiling ester purification.
91.	134533	4-6-1970	I.C.I. Ltd, Imperial Chemical House, Millbank, London SW. 1.	Fibre.
92.	134534	4-6-1970	Do.	Binding solids.
93.	134552	9-2-1972	Societe Anonyme Coignet, 11 Avenue Myron T. Herrik, 75008, Paris.	Concrete mortars.
94.	134563	10-2-1972	Banque Pour L'expansion Industrielle Banex, 1 Bfvd Haussmann, Paris 9 eme.	Composition for the removal of hydrocarbon & industrial waste by biological degradation.

1	2	3	4	5	X
95.	134570	10-5-1973	Dr. Beck & Co (India) Ltd, Gateway Bldg, Apollo Bunder, Bombay-1.	Polyster wire enamels from polyester scrap.	
96.	134572	20-4-1972	Eli Lilly & Co, 740 South Alabama Str, Indianapolis, USA.	Preparing 3-methylene ce-phem compounds.	
97.	134582	11-2-1972	I.C.I. Ltd, Imperial Chemical House, Millbank, London, SW.1.	Bipyrididium salts.	
98.	134602	14-2-1972	Universal Oil Products Co, No. 10 UoP Plaza-Algonquin & Mt Prospekt Rds, Illinois, USA.	Converting oxidisable components of exhaust gases of an internal combustion engine into carbondioxide & water vapour.	
99.	134603	14-2-1972	Torben Christen Hansen & Thomas Ringshoff, Building Materials Laboratory, Technical University of Denmark, Denmark.	Building material on basis of laterite.	
100.	134655	20-4-1972	Centrala Industriala Medicamente Si Colorante, Str-Ion Suleava 246, Rumania.	Process for obtaining calcium salt with high solubility content of calcium ions.	
101.	134667	10-2-1972	Hindustan Lever Ltd, 165-166 Backbay Reclamation, Bombay-20.	Animal feed stuff.	
102.	134694	21-2-1972	International Nickel Ltd, Thames House, Millbank, London, SW 1	Chromium nickel alloy products	
103.	134705	22-2-1972	Glaverbel-Mecaniver, 166 Chaussee de la Hulpe, Water mael-Boitsfort, Belgium.	Sheet glass.	
104.	134706	22-2-1972	Do.	Do.	
105.	134718	23-2-1972	Hindustan Lever Ltd, Hindustan Lever House, Bombay-20.	Cold water soluble tea.	
106.	134719	23-2-1972	I. C. I. Ltd, Imperial Chemical House, Millbank, London, SW. 1.	Recovery of hydrogen flouride	
107.	134733	24-2-1972	Union Carbide Corp, 270 Park Avenue, New York.	Olefin preparation.	
108.	134780	13-2-1973	Uddeholms Aktiebolag, Uddeholms, Sweden.	Making paper & other cel-lulos products.	
109.	134782	1-3-1972	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Monoazo pigments.	
110.	134783	1-3-1972	Shinetsu Chemical Co, 6-1, Otemachi 2-chome, Chiyodaku, Tokyo, Japan.	Suspension polymerising vinyl chloride.	
111.	134794	2-3-1972	Pechiney Ugine Kuhlmann, 110 Rue de General Foy, Paris, 8 eme, France.	Gas mixtures suitable for production of sulphuric acid.	
112.	134799	2-3-1972	Snamprogetti S.p.A., 16 Corso Venezia, Milan, Italy.	Inhibiting the polymerisation of conjugated dienes	
113.	134816	3-3-1972	Johnson & Johnson, 501 George Street, New Brunswick, New Jersey.	Method of making settable plaster of paris composition.	
114.	134824	4-3-1972	British Steel Corp, 33 Grossvenor Place, London SW.1	Steel making	
115.	134832	4-3-1972	Johnson & Johnson, 501 George Street, New Bruswick, New Jersey.	Improving gypsum cast compositions.	

1	2	3	4	5
116.	134840	6-3-1972	Shell Internationale Research Maatschappij B.V., 30 Carel van Bylandtlaan, Bylandtlaan, The Hague.	Removal of soot from aqueous suspension thereof.
117.	134842	6-3-1972	Tenco Brooke Bond Ltd, 35 & 37 Cannon Street, London, EC. 4	Instant tea composition.
118.	134860	7-3-1972	Universal Oil Products Co. Fo. UoP Plaza, Algonquin & Mt Prospect Rds, Des Plaines, Illinois, USA.	Hydrocarbon separation process.
119.	134872	8-3-1972	Do.	Regeneration of a coke deactivated catalyst comprising a combination of platinum, rhenium & halogen with a porous carrier material.
120.	134874	8-3-1972	Imperial Chemical Industries Ltd, Imperial Chemical House, Millbank, London SW.1	Electrodes & electrochemical processes.
121.	134877	8-3-1972	Hydrocarbon Research Inc, 45 Broadway, New York.	Two stage counter current hydrogenation.
122.	134898	10-3-1972	Union Carbide Corp, 270 Park Avenue, New York, 10017, USA.	Boron nitride containing vessel surface coating of zirconium silicon.
123.	134904	10-3-1972	Nippon Kayaku Kabushiki Kaisha, No-2-1, Marunochi 1-chome, Chiyoda-ku, Tokyo, Japan.	N-thiourea derivatives.
124.	134956	16-3-1972	Union Carbide Corp, 270 Park Avenue, New York, 10017, USA.	Ferrosilicon alloys.
125.	134973	17-3-1972	Etat Francais, 12, Quai Henry IV Paris, 4 eme.	Propulsive compositions.
126.	134988	18-3-1972	Horizons Research Inc, 23800 Mercantile Rd, Cleveland, Ohio, USA.	High molecular weight poly (phosphazene) copolymers.
127.	134999	20-3-1972	Spolana, Narotovice Czechoslovakia.	N-trihalogenalkylthioimides dicarboxylic acids.
128.	135008	21-3-1972	Pfizer Inc, 235 East 42nd Street, New York-17.	Substituted quinoxaline di-N-oxides.
129.	135023	22-3-1972	Envirotech Inc, 537 West 6th South Salt Lake City, Utah, USA.	Continuously reducing the concentration of phosphorous in phosphorous bearing liquor.
130.	135043	24-3-1972	Universal Oil Products Co. No. 10 UoP Plaza-Algonquin & Mt Prospect Rds, Des Plaines, USA.	Hydrotreating catalyst.
131.	135044	24-3-1972	Heinrich Pannenbecker, 53 Bonn Holzlar, Bergstrasse 23, Federal Republic of Germany.	Tubular film blow for thermoplastic process.
132.	135060	25-3-1972	Dr. Carl Hahn KG, Kaiserswertherstrasse 270, 4000 Dusseldorf, Federal Republic of Germany.	Processing absorbent cotton article.
133.	135074	27-3-1972	Chemie Linz AG., St Peter 224, Linz/Donau, Australia.	Granulated sprayed or prilled fertiliser.
134.	135086	28-3-1972	Norton Co, 1 New Bond Str, Worcester, Massachusetts, USA.	Coated abrasive material.
135.	135096	29-3-1972	Telefonaktiebolaget LM Ericsson, 126 11 Stockholm 32, Sweden.	Electroplating an aluminium wire.
136.	135102	29-3-1972	Emhart Corp, 426 Cott Highway, Farmington, Connecticut, USA.	Making glassware by a press and blow technique.

1	2	3	4	5
137.	135117	1-4-1972	Hindustan Lever Ltd, Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20.	Preparing hard feet replacer.
138.	135124	1-4-1972	Snamprogetti S.p A, 16 Corso Venezia, Milan, Italy	Sorous activated catalytic composition.
139.	135129	3-4-1972	Unilever Ltd, Unilever House, Blackfriars, London, E.C.4.	A blue cheese flavouring composition.
140.	135130	3-4-1972	Do	A cheddar cheese flavouring composition.
141.	135134	3-4-1972	Laporte Industries Ltd, 14 Hanover Square, London W.1	Benefication of ilmenite ores.
142.	135139	3-4-1972	Rhone-Poulenc Industries, 6 Rue Piccini, 72-Paris 16e.	Bulk polymerising vinyl chloride.
143.	135153	20-4-1972	Unilever Ltd, Unilever House, Blackfriars, London, E.C.4	Preparing a mixture of amino acids suitable for admixing with a composition to improve the cheese flavour of the food composition.
144.	135165	4-4-1972	Texaco Trinidad Inc, 135 East 42nd Street, New York.	Hydrocarbon separation process.
145.	135166	4-4-1972	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany	Preparing emulsion concentrate of biocidal substances.
146.	135185	6-4-1972	Societe Des Mines et Fonderies de Zinc de la Vielle Montagne Societe Anonyme, B-4900 Angleur, Belgium.	Preparing pigment on an iron oxide base.
147.	135202	20-4-1972	Pitman Moore Inc, Bare Tavern Rd, Washington Crossing, New Jersey, USA	Method of obtaining an antigen preparation of equine infectious anemia virus.
148.	135204	7-4-1972	Pennwalt Corp, Pennwalt Bldg, Three Parkway, Philadelphia, Pennsylvania, USA.	Purification of gaseous hydrogen chloride.
149.	135223	10-4-1972	American Cyanamid Co, Wayne, New USA.	Aqueous flame retardant finish composition.
150.	135235	11-4-1972	FMC Corp, 633 Third Avenue, New York-17.	Form cake coated with glanz carbon.
151.	135236	11-4-1972	Do.	Coating of reactive form cake by catalytic deposition of glass carbon.
152.	135246	11-4-1972	E. I. du Pont de Nemours Co, Wilmington, Delaware, USA.	Preparing improved polyamide fibres & films.
153.	135255	12-4-1972	DEGUSSA Weissfranken strasse, Frankfurt/Main, Federal Republic of Germany.	Concentrate hydrogen peroxide
154.	135287	20-4-1972	Toyama Chemical Co, 18, 1-chome, Nihonbashi Kayaba-cho, Tokyo, Japan	Antibiotic substance.
155.	135348	6-10-1970	Dr. T. K. Roy, A-60 Kailash, New Delhi-48.	An improved process for nickel & cobalt extraction from laterite & Limonitic nickeliferous ores.
156.	135370	2-6-1973	Snamprogetti SpA, 16 Corso Venezia, Milan, Italy.	Aldehydes or ketones.

1	2	3	4	5
157.	135372	27-6-1972	Sankyo Co Ltd, 1-6 3chome, Nihon-bashi Honcho Chuo-ku, Tokyo	Piperidine spiro-hydentoin derivatives.
158	135380	15-5-1973	Snamprogetti SpA, 16 Corso Venezia, Milan, Italy.	Polymine of aluminium.
159.	135402	8-6-1972	Phillips Petroleum Co. Bertlesville Okla-hama, USA.	A disproportion process for the conversion of an alkali metal salt of an aromatic carboxylic acid to an aromatic polycarboxylate.
160.	135414	16-3-1971	Snamprogetti SpA, 16 Corso Venezia Milan, Italy.	Polymerisation of-olefins.
161	135416	20-5-1972	Fratmann S. A., 5 Chemin du Mont Blanc, 1224 Chene Bougeries, Switzerland.	1-alkylene-2-aminomethyl pyrrolidines.
162.	135425	28-12-1970	Roberto G. Barrera, 103 Republica Dominica, Col Vista, Hermesa Manterray N.L. Mexico.	Tortilla dough.
163.	135436	27-7-1971	Johnson & Johnson, 501 George Str, New Brunswick, New Jersey, USA.	Improved resin binder composition.
164	135456	11-8-1972	Nippon Kokan K.K. Corpn, 1-3, 1-chome, Otemachi, Chiyoda ku, Tokyo, Japan.	Pre-treatment of molten pig iron.
165	135465	22-6-1971	Eli Lilly & Co, 307 Mc Carty & Co, 307 Mc Carty Str, Indianapolis, Indiana, USA.	Preparing novel tetrazole-(1, 5-a) quinoline compound.
166.	135477	29-7-1972	Universal Oil Products Co, No. 10 UoP Plaza Algonquin & Mt Prospekt Rds, Des Plaines, Illinois, USA.	Hydrocarbon separation process.
167.	135486	2-5-1972	Standards Brands, 625 Madison Avenue, New York, USA.	Isomerising glucose to fructose.
168	135496	27-6-1972	Universal Oil Products Co, No. 10 UoP Plaza Algonquin & Mt Prospekt Rds, Des Plaines, Illinois, USA.	Conversion of alkylaromatic hydrocarbon to alkenylaromatic hydr. carbons
169.	135504	2-9-1972	Cyanamid India Ltd, Nyl c House, 254-D2, Dr. Annie Besant Rd, Bombay-25.	2-chloroethylamethyl ammonium chloride
170.	135507	24-9-1971	Union Carbide Corpn, 270 Park Avenue, New York. 17	Ethylene polymerisation catalyst
171.	135511	4-9-1972	Universal Oil Products Co. No 10 UoP Plaza Algonquin & Mt Prospekt Rds, Des Plaines, Illinois, USA.	Improved tubing or plate for heat transfer processes involving nucleate boiling.
172.	135513	13-9-1972	Harold Abraham Hoffmann, 105 Bay-eau Rd, New Rochelle, New York.	Proteinaceous product.
173	135540	8-2-1971	Ciba-Geigy of India Ltd, Aarey Rd, Goregaon East, Bombay-63	Amines
174.	135544	6-7-1972	Universal Oil Products Co, No. 10 UoP Plaza Algonquin & Mt Prospekt Rds, Des Plaines, Illinois, USA	Liquefied petroleum gas.

## THE PATENT OFFICE

## PATENTS AND DESIGNS

Calcutta, the 31st December 1977

APPLICATION FOR PATENTS FILED AT THE  
HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act

24th November 1977

1645 Cal 77 Hoechst Aktiengesellschaft Solids dispersions which can be easily distributed in hydrophobic and hydrophilic media and are stable to flocculation, and their use

1646/Cal/77 Proizvodstvennoe Obiedinenie Turbostroenia "Leningradsky Metallichesky Zavod" Hydraulic turbine speed governor.

1647/Cal 77 B. Gandhi A web compacting apparatus.

1648/Cal/77 B. Gandhi A web compacting apparatus

26th November 1977

1649/Cal/77 Robert Bosch GmbH A centrifugal speed governor for a fuel injection type internal combustion engine

1650/Cal/77 Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft Self closing tongs

1651/Cal/77. Vsesojuzny Nauchno-Issledovatel'sky Institut Tekhnicheskogo Ugleroda Process for the production of carbon black

28th November 1977

1652/Cal/77 Pacific Metals Co., Ltd An apparatus for casting small metal castings

1653/Cal/77. Kockums Construction AB An apparatus for processing harvest material

1654/Cal/77 American Cyanamid Company Insecticidal and acaricidal agents

1655/Cal/77 United States Pipe and Foundry Company A seal means for pipe joint

29th November 1977

1656/Cal/77 J. D. Victor Hanotier Process for the preparation of terephthalic acid

1657/Cal/77 Sandvik Aktiebolag Rotary drill

1658/Cal/77 Ganapati Bose An improved cement pole

1659/Cal 77 T. Ishikawa Architectural panel material for use as roofing material, material for external wall and the like purposes

1660/Cal/77 Proizvodstvennoe Obiedinenie Turbostroenia "Leningradsky Metallichesky Zavod" Automatic hydraulic turbine starting device

1661/Cal/77 Thermo King Corporation Compact refrigeration unit

1662/Cal/77 Westinghouse Electric Corporation Combustion apparatus for a gas turbine engine

1663/Cal/77 Envirotech Corporation Cleaning of textile carding machines

30th November 1977

1664/Cal/77 General Electric Company High thermal emittance coating for X-ray targets

1665/Cal/77 Johnson Matthey & Co. Limited Improvements in and relating to catalysis (December 8, 1976).

1666/Cal/77 Dainippon Jochugiku Kabushiki Kaisha, Isovaleric acid ester derivatives, process for producing thereof, and insecticides containing said derivatives.

1667/Cal/77 International Standard Electric Corporation Packet-switched data communications system

APPLICATION FOR PATENTS FILED AT THE  
(DELHI BRANCH)

7th November 1977

379/Del/77 M/s Barringer Research Ltd Improved method and apparatus for detection of metalliferous and hydrocarbon deposits.

9th November 1977

380/Del/77 Jenkins Metal Corporation Carding machine (September 14, 1977).

381/Del/77. Shell Internationale Research Maatschappij B. V. Process for the production of a hydrocarbon mixture containing 2, 2, 3-trimethylpentane

382/Del/77. Otis Elevator Company Safety arrangement

383/Del/77 Poseco International Limited and Co-Operative Verkoop-En Productievereniging Van Aardappelmeel EN Derivaten "Avebe" G. A. Alkali metal silicate binder compositions (November 11, 1976)

11th November 1977

384/Del/77 The Goodyear Tire & Rubber Company. Zero pressure device such as tires or run-flat rings.

385/Del/77. Bayer Aktiengesellschaft. Process for the preparation of azo metal complex dyestuffs containing amino groups

15th November 1977

386/Del/77 B. Krishna, C. Jayaraman, T. Sairam, D. Appa Rao and M. Anandam A timber circuit

387/Del/77 B. Krishna, C. Jayaraman, T. Sairam, D. Appa Rao and M. Anandam A vigilance control device.

16th November 1977

388/Del/77 USS Engineers and Consultants, Inc Method and mechanism for controlling forces in a continuous-casting machine.

389/Del/77 USS Engineers and Consultants, Inc Car for carrying large vessels

390/Del/77 Thorn Domestic Appliances (Electrical) Limited Insect exterminating apparatus (November 16, 1976)

391/Del/77 Societe D'Etudes DE Produits Chimiques—Societe Anonyme Preparation process of new phenothiazine derivatives (December 1, 1976)

392/Del/77 International Business Machines Corporation A stabilizing backing plate for a flexible disk store (December 15, 1976)

393/Del/77 I. C. Jones, L. G. McDowell and N. A. Lessiter Improvements in or relating to warning devices (November 16, 1976)

17th November 1977

394/Del/77 M/s Societe D'Etudes DE Machine Thermiques S.F.M.T. Improvements in or relating to an internal combustion engine supercharger set

- 395/Del/77. Bayer Aktiengesellschaft. Process for the preparation of copper pthalocyanine.
- 396/Del/77. D L McCollister. Vaccine and method for immunotherapy of neoplastic disease
- 397/Del/77. Ernst Spurig. Improved water decomposition apparatus (December 9, 1976)

18th November 1977

- 398/Del/77. Council of Scientific and Industrial Research. A new automatic machine for the manufacture of building blocks by moulding under high pressure.
- 399/Del/77. Council of Scientific and Industrial Research. Improvements in or relating to a "Rotating cup anemometer".

21st November 1977

- 400/Del/77. Bharat Heavy Electricals Limited. Universal tail stock for cylindrical grinding machine.
- 401/Del/77. Bharat Heavy Electricals Limited. A pick up for the measurement of fluid flow velocities.
- 402/Del/77. Director General, Research Designs and Standard Organisation, Ministry of Railways, Government of India. Rubber springs for centre buffer coupler of M. G. Railway rolling stock.
- 403/Del/77. Council of Scientific and Industrial Research. A rotary table press for sand lime bricks.
- 404/Del/77. Her Majesty the Queen in right of Canada as represented by the Minister of National Defence. Tubular projectile.
- 405/Del/77. Pfizer Inc. Process for the production of 2-ketogluconate and 2-ketogluconate mixture
- 406/Del/77. G. D. Società per Azioni. Labelling device.
- 407/Del/77. Vereinigte Edelmetallwerke Aktiengesellschaft (VEW). Improvements in or relating to a method of and apparatus for producing steel ingots
- 408/Del/77. Shell Internationale Research Maatschappij B. V. Crystalline succates.
- 409/Del/77. Mineral Deposits Limited. Gravitational separator employing an improved eluent supply system. (November 22, 1976).
- 410/Del/77. Mineral Deposits Limited. Conical concentrator with partial flow combination (November 22, 1976).
- 411/Del/77. Mineral Deposits Limited. Method and apparatus for the wet gravity concentration of ores. (November 22, 1976).

APPLICATION FOR PATENTS FILED AT THE  
(MADRAS BRANCH)

15th November 1977

- 175/Mas/77. D. H. Veecumsee. A device for generating power from the wind and seawaves.

16th November 1977

- 176/Mas/77. T. Venkatachalam. Providing 100% wet resistant and higher heat resistant electrical insulation coating to winding wires

21st November 1977

- 177/Mas/77. T. R. Visvanathan, V. Shanmugam, J. Bennett and S. Balasubramaniam. Rock phosphate coated urea prills or granules

- 178/Mas/77. T. R. Visvanathan, J. Bennett, V. Shanmugam, S. Balasubramaniam. Urea melt granulation technique for the production of NK, NP & NPK compound/complex fertilizers

- 179/Mas/77. T. K. Mathew Thekkumkury. "Asshaya-patram" the device for fuel tree mechanical energy.

- 180/Mas/77. Krishna Fabrications Private Limited. Improvements in or relating to vehicle seats.

22nd November 1977

- 181/Mas/77. Thairavannan Seshagiri. A device for printing the weight indicated by a steelyard weighing machine.

24th November 1977

- 182/Mas/77. C. Padmanabhan. Noval drum tape recorder

- 183/Mas/77. Kontiki Chemicals & Pharmaceuticals Private Limited. Process for the production of derivatives of coconut shell.

- 184/Mas/77. Kontiki Chemicals & Pharmaceuticals Private Limited. Improvements in or relating to phenol-formaldehyde resinous composition.

## ALTERATION OF DATE

143588

973/Cal/73. Ante-dated 27th February, 1974

143599.

919/Cal/77. Ante-dated 31st October, 1974

## COMPLETE SPECIFICATION ACCEPTED

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"The classifications given below in respect of each specification are according to Indian Classification and International Classification

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs 2/- (postage extra is sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 69D

143567

Int. Cl.-H01h 75/00, 47/00

## COIL-LESS ELECTRO-MAGNETIC RELAY

Applicant COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJIV MARG, NEW DELHI-1, INDIA

Inventors: RAGHWENDRA KUMAR CHOUDHARY AND ARTHUR LAL

Application No 1332/Cal/74 filed June 17, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch

#### 6 Claims

A coil less electro magnetic relay for use in automatic and remote control systems characterised in that there is provided a U- or C shaped relay core, current carrying cables passing through its central hole to energise the relay to affect displacement of an armature assembly in counter-action of mechanical force of a set of pertaining and contact springs to influence the operating characteristics of the operation of the relay i.e. the pick up and release currents

CLASS 130F & I & 141C & D & F.

143568.

Int. Cl.-C22b 23/00.

#### PROCESS FOR EXTRACTING NICKEL FROM NICKELIFEROUS LATERITE ORE CONTAINING LIMONITE AND SERPENTINE FRACTIONS

*Applicant*, SHERRITT GORDON MINES LIMITED, AT 2800 COMMERCE COURT, WEST TORONTO, ONTARIO, CANADA.

*Inventors*: DONALD ROBERT WEIR AND DAVID JOHN IVOR EVANS.

Application No. 2321/Cal/74 filed October 21, 1974.

Convention date October 29, 1973/(184,513/73) CANADA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972 Patent Office, Calcutta.

#### 9 Claims.

A process for extracting nickel from nickeliferous laterite ore composed of limonitic and serpentine ore particles which comprises dividing said particles into a first fraction consisting predominantly of limonite ore and a second fraction consisting predominantly of serpentine ore; mixing with said second fraction a sulphur-bearing additive such as herein described in an amount sufficient to provide a sulphur content in the mixture of between 0.2 and 5% by weight, separately roasting in the presence of reducing gases said first fraction and said mixture at temperatures within the ranges of 1150° to 1350°F and 1200 and 1600°F, respectively in order to convert contained nickel values to a crude metallic state, separately passing to first leach stages said roasted first fraction and said roasted mixture and separately leaching same with aqueous ammoniacal ammonium carbonate solutions in the presence of free oxygen to extract nickel values and dissolve them in solution, combining solution and undissolved residue from the first leach stage containing said roasted first fraction with solution and undissolved residue to a liquid-solids separation operation, removing solution from said liquid-solids separation operation and recovering at least a portion thereof as product liquor while recycling any remaining unrecovered solution to the first leach stage solution, removing solution from said second leach stage and containing said roasted first fraction, passing undissolved residue removed from said liquid-solids separation operation to a second leach stage and leaching same with an aqueous ammoniacal ammonium carbonate solution in the presence of free oxygen to extract nickel values and dissolve them in recycling a portion thereof to each said first leach stage

CLASS 29E

143569

Int. Cl.-G06g 7/12.

#### FLUID RESISTOR

*Applicant*: SYBRON CORPORATION, OF 1100 MIDTOWN TOWER, ROCHESTER, NEW YORK, UNITED STATES OF AMERICA.

*Inventor*: NORMAN ROY WESTFALL

Application No. 2409/Cal/74 filed November 4, 1974

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972 Patent Office, Calcutta

#### 24 Claims.

A fluid resistor comprising

a laminated disc including a substantially rigid substrate having a flat surface, and at least one metallic layer of substantially constant thickness deposited on and fixed to said

flat surface, said metallic layer being provided with at least one groove therein extending through the metallic layer,

a rigid plate having a flat surface and formed with at least one aperture extending through the flat surface and said plate,

means for sealably contacting the flat surfaces of said disc and plate in close proximity with each other so that at least two of said plurality of plate apertures extend over different portions of said groove, wherein said groove and flat surface of said plate define a passageway for fluid flow there-through, the resistance of which is a function of the distance between plate apertures, the cross-sectional area of the passageway and the length of the passageway, and

said groove having been formed after fixing said metallic layer to said flat surface of said substrate by removing such part of said metallic layer as to bare such area of said flat surface of said substrate as has the desired shape and location of said groove.

CLASS 150C.

143570

Int. Cl. F161 33/22, 13/10.

#### COUPLING CONNECTING FOR FLEXIBLE HOSES.

*Applicant*: TAURUS GUMIIPARI VALLALAT, OF 17, KERESJESI UT, BUDAPEST VIII, HUNGARY

*Inventors*: LASZLO DR HORVATH, GUSZTAV GONDISCH, SANDOR ANTAL, MIHALY ARVALI, ELMER LANTOS AND GYORGY ZADOR.

Application No. 536/Cal/75 filed March 18, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972 Patent Office, Calcutta

#### 8 Claims.

A coupling for connecting flexible hoses which are made of elastomeric material reinforced with inlays of round or interengaging S or Z profiled cross-section wires, comprising an outer metal sleeve connected to the flexible hose by adhesive bonding and an inner metal stiffening component, united with the constituent parts of the flexible hose by adhesive bonding, wherein the stiffening component is connected to the outer sleeve by way of the constituent parts of the flexible hose and participates in taking up axial load; the stiffening component being made as a body of revolution and preventing any flattening of the wall of the flexible hose within the coupling

CLASS 70A & B & C

143571

Int. Cl.-B01k 1/00, B01k 3/02, 3/10

#### ELECTROCHEMICAL CELLS

*Applicant*: IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILL BANK, LONDON, S.W. 1, ENGLAND.

*Inventor*: KEVIN THOMAS MCALOON.

Application No. 1015/Cal/75 filed May 20, 1975.

Convention date May 24, 1974/(23316/74) U.K.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972 Patent Office, Calcutta.

#### 13 Claims. No drawings.

An electrochemical cell for the electrolysis of aqueous solution of ionisable compounds having an anode and a cathode separated by a diaphragm wherein the diaphragm comprises a porous polymeric material containing units derived from tetrafluoro ethylene, said material having a microstructure characterised by modes interconnected by fibrils.

CLASS 206H.

143572

Int. Cl.-H04b 1/00

#### CIRCUIT-ARRANGEMENT FOR THE EQUALIZATION OF THE BASE-BAND INTERMODULATION SPECTRUM IN FM RADIO-CHANNELS.

*Applicant*: TAVKOZLES IKUTATO INTEZET, OF GABOR ARON UT 65, 1026 BUDAPEST, HUNGARY.

*Inventors* ANDRES BARANYI, MIKLOS JESZENOI  
AND LASZLO ZAKARIAS

Application No 1147/Cal 75 filed June 10, 1975

Appropriate office for opposition Proceedings (Rule 4  
Patents Rules, 1972) Patent Office, Calcutta

## 2 Claims.

Circuit-arrangement for the equalization of the base-band intermodulation spectrum in FM radio channels, characterized by comprising an input and an output, said input being connected to the input of a circuit (N) having a non-linear (n+1)th characteristic and to one of the inputs (1) of a summing circuit (S), the output of said non-linear circuit being connected to the input of a demodulator (D) having an output connected to the input of a controllable amplifier (A) which has an output connected to the other input of the summing circuit (S) whose output defines the output of said circuit arrangement

CLASS 69G & I.

143573

Int Cl H01h 9/00.

## A DRIVE DEVICE FOR A SWITCH.

*Applicant* SIEMENS AKTIENGESellschaft, OF  
BERLIN AND MUNICH, (WEST) GERMANY.

*Inventors* WERNER KOHLER AND NORBERT STEINEMER

Application No 1447/Cal/75 filed July 24, 1975

Appropriate office for opposition Proceedings (Rule 4  
Patents Rules, 1972) Patent Office, Calcutta

## 9 Claims.

A drive device for a switch, the drive device comprising a resilient device and first and second members which are co-operable with said resilient device and which are movable independently of one another, the first member being co-operable with the resilient device to apply a predetermined stress thereto and the arrangement being such that, in use, the co-operation of the resilient device is transferred from the first member to the second member when the predetermined stress is reached, to actuate the second member during the release of stress applied to the resilient device, to provide a snap action movement of the second member

CLASS 107-B.

143574

Int Cl F02d 15/02

## IMPROVED COMPRESSION IGNITION INTERNAL COMBUSTION ENGINE.

*Applicant* SIR W. G. ARMSTRONG WHITWORTH &  
COMPANY (ENGINEERS) LIMITED, OF ABERDEEN  
AVENUE, TRADING ESTATE, SLOUGH, BERKSHIRE,  
SL1 4HG, ENGLAND

*Inventor* DONALD WILFRED TRYHORN,

Application No 1950/Cal/75 filed October 9, 1975

Convention date October 16, 1974(44869/74) UK

Appropriate office for opposition Proceedings (Rule 4  
Patents Rules, 1972) Patent Office, Calcutta

## 6 Claims

A compression ignition engine having a crankshaft and cylinder means and comprising for each cylinder, two opposed pistons reciprocable in each cylinder,

two rocker beams, one for each piston having fulcrums which are stationary and at ends of the beams,

piston rods connecting the pistons to their respective rocker beams,

oppositely positioned cranks directly adjacent to one another on the crankshaft,

connecting rod means coupling said rocker beams to respective cranks,

the engine further comprising means for adjusting the positions of the stationary fulcrums to vary the compression ratio of the engine and

fuel inlet means and exhaust means.

CLASS 205 K.

143875

Int Cl B60c 11/00

## IMPROVEMENTS IN OR RELATING TO APPARATUS FOR PRODUCING TYRE TREAD PATTERNS

*Applicant* DUNLOP LIMITED, OF DUNLOP HOUSE  
RYDER STREET, ST JAMES'S, LONDON SW1, ENG  
LAND.

*Inventor* GREGORY JOHN MEACHEAM

Application No 2045/Cal/75 filed October 22, 1975

Appropriate office for opposition Proceedings (Rule 4,  
Patents Rules, 1972) Patent Office, Calcutta

## 15 Claims.

An apparatus for cutting a tread pattern on a tyre comprising means to support a tyre in position with its rotational axis aligned in a predetermined direction, cutting means to cut rubber from the tread of a tyre, a carriage for said cutting means a support assembly for said carriage, means to move the carriage relative to the support assembly, the support assembly being carried on a framework provided with means to adjust the position of the support assembly relative to the tyre support to offer the cutting means to the tread of a tyre positioned on said tyre support, the cutting means being pivotally mounted on its carriage, the carriage for the cutting means being pivoted about two mutually perpendicular axes, at least one of which is perpendicular to the rotational axis of a tyre when in position on the tyre support means, to permit the direction of cut of the cutting means to be varied and the cutting means to be tilted to follow the curvature of the tread of a tyre so positioned

CLASS 76 B

143576

Int Cl F16b 2/02

*Applicant* CITIZEN WATCH CO LTD., OF 1-9 18  
A CLAMPING DEVICE

NISHI SHINJUKU, SHINJUKU KU TOKYO, JAPAN.

*Inventor* YOSHIO TOKUNAGA.

Application No 223/Cal/75 filed November 22, 1975

Appropriate office for opposition Proceedings (Rule 4,  
Patents Rules, 1972) Patent Office, Calcutta

## 6 Claims

A clamping device that is intended to move with a job that is traversed in a horizontal plane during a machining stage and to hold it, characterised by at least two elements (101, 102, 103, 210, 202, 203) connected to one another in the manner of chain links with pivoting axes (104, 114, 126A, 204, 214, 226) disposed vertically, one outer pivoting axis (126A 226) of which carries a job presser plate and the other outer pivoting axis (104, 204) is held in a rotationally fixed intermediate part (101, 210) displaceable vertically against a spring action while at least the central pivoting axes (104, 114, 204 214) are provided with spring components (109, 113, 119 123 208 217), which return the elements connected to one another in the manner of chain links to their initial position after the raising of the clamping device

CLASS 32F.b.

143577

Int Cl C07d 95/00

## PROCESS FOR THE PREPARATION OF 4-HYDROXY-3-(5-METHYL-3-ISOXAZOLYL-CARBAMOYL)-2-METHYL-2H-1, 2, BENZOTHAZINE 1, 1-DIOXIDE

*Applicant* WARNER-LAMBERT COMPANY, OF 201  
TABOR ROAD MORRIS PLAINS, NEW JERSEY 07950,  
UNITED STATES OF AMERICA

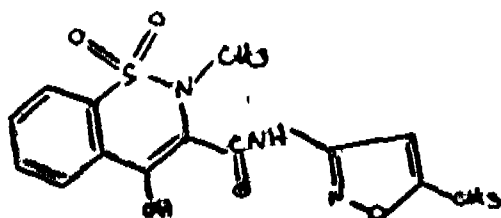
*Inventors* ARTHUR CHARLES FABIAN, (2) JFRO  
ME DANIEL GENZER (3) CHARLES FRANCIS KASU-  
LANIS, (4) JOHN SHAVER, JR (5) HAROLD ZINNES

Application No. 548/Cal76 filed March 30, 1976.

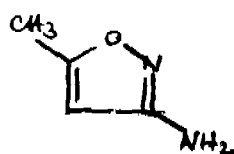
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A process for preparing a compound of the formula I.



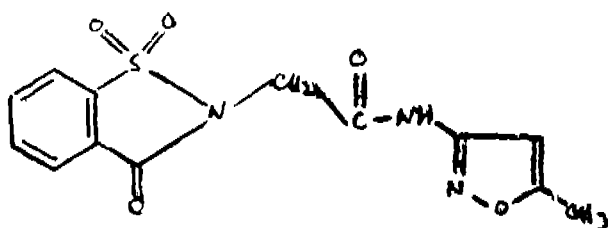
which comprises a reacting 3-amino-5-methylisoxazole which comprises (a) reacting 3-amino-5-methylisoxazole II.



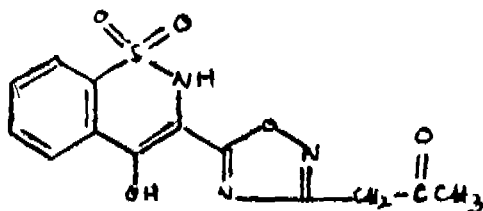
with a haloacetylhalide to form compound III,



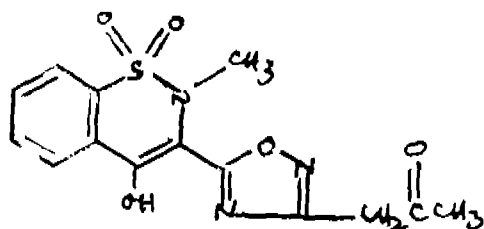
(b) reacting compound III with a salt of saccharin to form compound IV



reacting compound IV with an alkali metal alkoxide of 1 to 5 carbon straight or branched chain alcohols in an inert solvent at a temperature of from about 60°C to about 70°C followed by acidification, to form compound V.



(d) methylating compound V by reaction, at a temperature of from about 10°C to about 25°C, with a methylating agent in an aqueous inert solvent containing excess base, followed by acidification, to obtain compound VI.



(e) and heating compound VI with an organic base in an inert solvent to obtain the desired compound I.

CLASS 32F.

143578.

Int. Cl. C07c 125/00.

PROCESS FOR MANUFACTURING 4-CHLORO-2-BUTYNYL N-(3-CHLOROPHENYL) CARBAMATE.

Applicant: GULF OIL CORPORATION, AT PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor: JERRY LYNN RUTTER.

Application No. 2106/Cal/76 filed November 24, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings.

A process for manufacturing 4-chloro-2-butyne N-(3-chlorophenyl) carbamate, characterised in that 4-hydroxy-2-butyne N-(3-chlorophenyl) carbamate is reacted with a condensing agent selected from the group consisting of thionyl chloride and phosgene in the presence of a reaction promoting amount as hereinbefore defined of dimethylformamide.

CLASS 31 & 193.

143579

Int. Cl. C04b 35/00.

A SINTERED UNITARY CERAMIC BODY AND PROCESS FOR MAKING THE SAME.

Applicant: NL INDUSTRIES INC., OF 111 BROADWAY, NEW YORK, NEW YORK-10006, UNITED STATES OF AMERICA

Inventor: JAMES ALBERT STYNES.

Application No. 2052/Cal/74 filed September 16, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

31 Claims.

A sintered unitary ceramic body comprising a plurality of strata of a ceramic dielectric or electrically insulating ceramic material, having between at least two of the said strata, at least one thin substantially unobstructed space or cavity open at least one edge region, the strata adjacent to each of the spaces being joined at a plurality of edge regions of the said spaces

CLASS 24-D, & D.

143580.

Int. Cl. B61 h 11/00

BRAKE PIPE REDUCTION INDICATING APPARATUS.

Applicant: WABCO LTD., OF 11 PRINCESS STREET, HAMILTON, ONTARIO, CANADA L8L 3K4

Inventors: PETER HUBERT POWELL, & ARCHIBALD JOHN HARVEY PETERSON

Application No. 2623/Cal/74 filed November 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Brake pipe reduction indicating apparatus for use with automatic railway vehicle brake equipment and comprising:

(a) first means normally charged to a predetermined fluid pressure and operative responsively to a reduction of such fluid pressure therein for causing a brake application on the vehicle commensurate with the degree of reduction;

(b) second means normally charged with fluid pressure at a degree corresponding to said predetermined fluid pressure,

(c) operator's means selectively operable to a plurality of positions for initiating a reduction of fluid pressure in said second means to a selected reduced degree according to the position to which said operator's means is operated,

(d) said operator's means including relay valve means operable responsively to reduction of fluid pressure in said second means to a degree corresponding to the degree of fluid pressure prevailing in said first means at the time said reduction is initiated, for effecting reduction of pressure in said first means to said selected reduced degree, and wherein the improvement comprises:

(e) indicating means cooperatively responsive to reduction of fluid pressure in said first and second means for indicating the pressure differential between the initial pressure prevailing in said first means at the onset of said reduction and the final pressure prevailing therein at termination of such reduction

CLASS 39-L

143581.

Int. Cl. C01f 5/02

## A METHOD OF MAKING SINTERED MAGNESIA

*Applicant:* FINANCIAL MINING- INDUSTRIAL AND SHIPPING CORPORATION, OF 18-20, SIKELIAS STREET, ATHENS (404) GREECE

*Inventor:* ZAFIRIOS FOROGLOU

Application No. 389/Cal/75 filed March 1, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawing

A method of making sintered magnesia from a suitable starting material, such as magnesite or the like, by firing said starting material at sintering temperatures, the improvement comprising treating prior to said firing at sintering temperatures said starting material with an aqueous solution of a water soluble calcium salt capable of forming calcium oxide during said firing

CLASS 10-B

143582

Int. Cl. F42b 23/00.

## A DEVICE CAPABLE OF DETONATING A MAGNETIC LAND MINE.

*Applicant:* FORENADE FABRIKSVERKEN OF S-631 87 ESKILSTUNA, SWEDEN.

*Inventor:* SVEN WILLIAM BJELVERT.

Application No. 602/Cal/75 filed March 25, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A device capable of detonating a magnetic land mine upon removal of same from the ground, comprising, in combination, a stationary magnetic field sensing device, a stationary annular tube located substantially in a horizontal plane in the vicinity of the magnetic field sensing device, a magnetized ball housed in the tube allowing the ball to move therein upon tilting of the tube out of said horizontal plane to operatively condition said sensing device, and means for preventing the ball to move upon minor vibrations of the tube

CLASS 131-C

143583

Int. Cl. E21b 43/00.

## THE COMPLETION OF WELLS, AND IN PARTICULAR GAS WELLS

*Applicant:* SCHLUMBERGER OVERSEAS, S.A. OF VIA ESPANA 200, PANAMA CITY, PANAMA.

*Inventors:* JEAN LAVIGNE (2) PIERRE CHESNEI & GERARD BOUGUYON

Application No. 1707/Cal/75 filed September 4, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

20 Claims

Shaped charge apparatus for completing wells, of the type comprising on the one hand, a support constituted by a bar

provided with longitudinally distributed attachment holes and, on the other hand, shaped charges each comprising a body containing a load of explosive having a hollow provided with a liner, a cover mounted in a sealed manner on this body, an attachment head disposed in front of said liner, said head being secured in one of said attachment holes, and a blasting cord receptacle diametrically opposite said head, characterised in that the external profile of the support bar is circular, the cross-section of the bar having an approximately constant thickness and a middle part of the interval separating two adjacent attachment holes exhibiting a zone of unit mass significantly smaller than the unit mass of the rest of said interval.

CLASS 32F.

143584

Int. Cl. C07c 87/54; 87/60.

## IMPROVEMENTS IN OR RELATING TO THE ELECTROLYTIC REDUCTION OF P-CHLORO-NITROBENZENE TO P-CHLOR ANILINE.

*Applicant:* COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

*Inventors:* HANDADY VENKATAKRISHNA UDUPA, & PAPPALLUR NARAYANAN ANANTHARAMAN.

Application No. 1943/Cal/75 filed October 9, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch

3 Claims No drawing

A process for the preparation of p-chloro aniline by electrolytically reducing a suspension of p-chloro nitrobenzene in a supporting electrolyte of mineral acid preferably sulphuric acid up to a concentration 20% (V/V) at a temperature in between 70-90°C using current densities up to 200 A/dm<sup>2</sup> in an electrolytic cell, the cathode is either stationary or rotating and made of copper, the anode is made of either lead or an alloy of lead with silver, the anolyte is a mineral acid preferably sulphuric acid up to 20% (V/V) and the catholyte and anolyte are separated by a porous diaphragm characterised in that the electrolyte contains titanous or titanous sulphate which is added up to a concentration of 10 g per litre catholyte calculated as titanium dioxide

CLASS 107-J.

143585

Int. Cl. F02b 77/00.

## STARTER MOTOR PINION ASSEMBLY.

*Applicant:* THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND

*Inventor:* ROY PRICE BOWCOTT.

Application No. 2254/Cal/75 filed November 25, 1975

Convention date December 7, 1974 (53039/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A starter motor pinion assembly including a shaft, a pinion gear wheel, supported by the shaft and movable axially relative thereto between a rest position and an operative position, a helical screw thread carried by said shaft, a nut engaged with said screw thread, a sleeve surrounding said shaft and connecting said pinion gear wheel to said nut whereby rotation of the nut relative to the shaft causes axial movement of the gear wheel relative to the shaft, and a sleeve like cover member secured to the shaft, said cover member overlying said screw thread and said sleeve, and the arrangement and length of the cover member being such that throughout the range of movement of the pinion gear wheel between its rest and operative positions at least a portion of said sleeve remains within the cover member so that the screw thread is not exposed.

CLASS 32F*c*

143586

Int. Cl. C07c 91/04.

## PROCESS FOR OBTAINING D-2-AMINO-1-BUTANOL

*Applicant:* AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.

*Inventor* . BALWANT SINGH

Application No 190/Cal/76 filed February 3, 1976.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta

#### 10 Claims.

A process for obtaining *d*-2-amino-1-butanol hydrochloride from *N*-[1-(chloromethyl) propyl] acetamide which comprises synthesizing *dl*-2-amino-1-butanol hydrochloride by heating *N*-[1-(chloromethyl) propyl] acetamide in the presence of a lower alkanol and water whereby the *N*-[1-(chloromethyl) propyl] acetamide is hydrolyzed to *dl*-1-butanol hydrochloride, and distilling off the coproduced alkanol acetate, whereby side reactions are suppressed, and the hydrolysis to *dl*-2-amino-1-butanol hydrochloride is essentially quantitative, and obtaining *d*-2-amino-1-butanol from *dl*-2-amino-1-butanol containing up to about 10% of *dl*-Z-1-amino-2-butanol by forming a solution of said *dl*-2-amino-1-butanol containing *dl*-1-amino-2-butanol in anhydrous methanol, adding thereto (L(+)-tartronic acid in at least about one-half molar quantity, and separating the crystalline acid (L(+)-tartrate salt of *d*-2-amino-1-butanol from the methanol containing 1-2-amino-1-butanol and both *d*- and 1-1-amino-2-butanol, and finally obtaining *d*-2-amino-1-butanol hydrochloride from said (L(+)-tartrate salt of *d*-2-amino-1-butanol by conventional method

CLASS 80-G

143587

Int Cl. B01d 25/12.

#### SELF-CLEANING FILTER FOR CLEANING LIQUIDS FROM SUSPENDED MATTER

*Applicants* . PROIZVODSTVENNOE OBIEDINENIE "TEKHENFRGOKHIMPROM" OF SCHFRBAKOVSKAYA ULITS, 3, MOSCOW, USSR : (11) PENZENSKY ZAVOD KHIMICHESKOGO MASHINOSTROENIA, OF PENZA 28, USSR; AND (111) SEVERODONETSKYI FIILIAL VSESOUZNOGO NAUCHNO-ISSLEDOVATEL'SKOGO I KONSTRUKTORSKOGO INSTITUTA KHIMICHESKOGO MASHINOSTROENIA, OF SEVERODONETSK-5 VOROSHILOVGRADKOI OBLASTI, USSR

*Inventors* IGOR VIKTOROVICH KAMINSKY, (2) VLADIMIR VIADIMIROVICH SHESTAKOV, (3) GENRIKH FEDOROVICH SFVEROV, (4) ARON IOSIFOVICH ZAITSEV, (5) ALEXANDR FEDOROVICH LITVINENKO, (6) VIKTOR VASIIIEVICH MFNIKOV, (7) BORIS SFMENOVICH ZATS, (8) MARK USHFROVICH MIROPOLSKY, (9) DAVID I VOVICH MAIZIUK

Application No 287/Cal/76 filed February 18, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

#### 3 Claims

A self-cleaning filter for cleaning liquids from suspended matter comprising a container, at least two filtering partitions installed in said container and dividing it into parallel sections for the contaminated liquid and at least one cleaned-liquid section located between the first two sections, pipe connections for delivering contaminated liquid into the sections and discharging the cleaner liquid and means for back-washing the filtering partitions, installed in each of the contaminated-liquid sections with the provision for moving over said filtering partitions, when pressed flexibly against it and comprising a hollow body communicating with the atmosphere and open at the side facing and filtering partitions, characterised by that said body of the backwashing device is provided along its entire perimeter at the side facing the filtering partition with a circular recess whose bottom has through holes and the mating plate is installed in said recess with a provision for reciprocating therein so that there is a clearance between the face of said plate and the bottom of the recess, said clearance forming a chamber which communicates with the contaminated-liquid section through said holes

CLASS 33A & H

143588

Int Cl. B22d 41/00.

#### AN ARRANGEMENT FOR CONDUCTING GAS TO A PERMEABLE PLUG IN COMBINATION WITH A BOTTOM POUR VESSEL

*Applicant* . USS ENGINEERS AND CONSULTANTS, INC., OF 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA

*Inventor* EARL PAGE SHAPLAND, JR.

Application No 913 Cal/76 filed June 5, 1976

Division of Application No 413/Cal/74 filed February 27, 1974

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

#### 4 Claims

An arrangement for conducting gas to permeable plug in a combination which includes a vessel having a nozzle in its bottom wall, a mounting plate fixed to the bottom wall of the vessel around said nozzle a slidable gate mechanism carried by said mounting plate and including a gate for selectively opening and closing said nozzle, and a top plate between said gate and said mounting plate, said gate having a gas-permeable plug which is aligned with said nozzle when the gate is positioned to close the nozzle and through which gas may be introduced to the nozzle to keep it clean when closed, communicating passages formed in said mounting plate, said top plate and said gate leading to said plug, a line connected to the passage in said mounting plate for introducing gas thereto, communication between the passages of said top plate and said gate being broken automatically when said gate moves to a position in which said plug is out of alignment with said nozzle

CLASS 89

143589

Int Cl. G01L 7/00

#### MOTION AMPLIFIER FOR CONDITION RESPONSIVE GAUGE INSTRUMENT

*Applicant* . DRESSER INDUSTRIES INC. OF REPUBLIC NATIONAL BANK BUILDING P O BOX 718, DALLAS TEXAS 75221, UNITED STATES OF AMERICA

*Inventor* RICHARD FRANS HARRY WETTERHORN

Application No 2376/CAL/74 filed October 31, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims.

A motion amplifier for a gauge instrument having a motion producing condition responsive element, said amplifier comprising in combination :

(a) a support frame;

(b) pivot means pivotally supported on said support frame and including receiver means in which to receive an actuator operably connected to the condition responsive element for pivoting said pivot means in correlation to the motion produced by said element,

(c) mounting means adapted for mounting said support frame and said pivot means as a unit on a stationary portion of the gauge instrument, and

(d) calibration means adjustable to displace said unit on said mounting means relative to the received actuator for effecting presettable operational accuracy of the amplifier

CLASS 179-D & E

143590.

Int Cl. B 65d 43/00

#### A METAL PLUG LID FOR A METAL CONTAINER AND THE COMBINATION OF A CONTAINER WITH SUCH A LID

*Applicant* . THE METAL BOX COMPANY LIMITED, OF 37 BAKER STREET, LONDON, W1A 1AN, ENGLAND

*Inventors* CHARLES NORMAN TEBBUTT & ROY ALFRED ALDERSON

Application No 2747/Cal/74 filed December 13, 1974.

Convention date December 14, 1973 (58093/73) UK

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

A metal plug lid for a metal container having a substantially cylindrical mouth, said lid comprising a closure disc joined by a peripheral side wall to a flange, said side wall including a first annular portion of convex cross-section adapted for engagement with the mouth of the container in a circumferential line of contact, and a second annular portion, radially inwards of said first annular portion which joins said first annular portion to said flange so providing a clearance to permit the lid to be pivoted upon the mouth of the container, for removal from the container in a single pivoting movement from the line of contact between lid and mouth.

CLASS 172-D., 143591

Int. Cl. D01h 7/88.

## MEANS FOR THE MEASUREMENT OF THREAD STORAGE ON A DOUBLE-TWISTING SPINDLE

*Applicant* : PALITEX PROJECT-COMPANY GMBH, OF WEESERWEG 8, 415 KREFELD, WEST GERMANY

*Inventor* : JURGEN KALLMANN

Application No 475/Cal/75 filed March 11, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

Means for the measurement of thread storage on a double-twisting spindle characterised by the provision, in the zone of a rotating spindle component, of a first pulse generator proximity responsive to the frequency of rotation of the spindle, and by the provision, in the thread ballon zone, of a second pulse generator responsive to the frequency of rotation of the thread ballon, and by the connection of the transmitters, at the output side, to counters for the counting of the pulses generated since spindle start-up and an evaluator, in which are determined the times  $t_B$  and  $t_S$  in which pulses generated as a result of rotation of the thread ballon and the spindle reach, in number, the pre-determined or the selectable number of pulses and in which evaluator the time difference  $\Delta t = t_B - t_S$  is calculated.

CLASS 107-K, 143592

Int. Cl. F02b 39/00: 53/06

## VALVE FOR A ROTARY VALVE ENGINE

*Applicant* : DANA CORPORATION, OF 4500 DORR STREET, CITY OF TOLEDO, STATE OF OHIO, UNITED STATES OF AMERICA

*Inventor* : WILLIAM DIETER GUENTHER.

Application No 486/Cal/75 filed March 12, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

A valve for a rotary valve internal combustion engine, said valve being of the type including a cylindrical valve body which is rotatable about its longitudinal axis within a cylinder head, and which is provided with at least one passage for communicating an engine cylinder with an inlet manifold associated with the cylinder head, including a first valve passage which extends through the valve and opens into the peripheral surface of the valve at diametrically opposed positions, the respective ends of said first passage sequentially communicating with a first inlet manifold and the engine cylinder, and a second passage spaced axially from said first passage and which opens into the peripheral surface of the valve at diametrically opposed positions which are angularly displaced peripherally of the valve with respect to the ends of the first passage, the respective ends of said second passage sequentially communicating with a second inlet manifold and a pre-combustion chamber associated with said cylinder.

CLASS 107-K, 143593

Int. Cl. F02b 39/00.

## HEAT SHIELDS FOR ROTARY VALVES

*Applicant* : DANA CORPORATION, OF 4500 DORR STREET, CITY OF TOLEDO, STATE OF OHIO, UNITED STATES OF AMERICA

*Inventor* : WILLIAM DIETER GUENTHER

Application No 487/Cal/75 filed March 12, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## 6 Claims.

A valve for a rotary valve internal combustion engine, said valve being of the type including a cylindrical valve body which is rotatable about its longitudinal axis within a cylinder head, and which is provided with at least one passage for communicating an engine cylinder with an exhaust manifold associated with the cylinder head, in which said passage extends through the valve and opens into the peripheral surface of the valve at diametrically opposed positions, and a tubular heat shield is positioned within said exhaust passage and extends through said passage in spaced relationship therewith

CLASS 107-K, 143594

Int. Cl. F02b 53/06

## TIMING DEVICES FOR ROTARY VALVE ENGINES

*Applicant* : DANA CORPORATION, OF 4500 DORR STREET, CITY OF TOLEDO, STATE OF OHIO, UNITED STATES OF AMERICA

*Inventor* : WILLIAM DIETER GUENTHER.

Application No 488/Cal/75 filed March 12, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## 5 Claims

Rotary valve apparatus defining at least one inlet passage and one exhaust passage for establishing sequential communication of said inlet passage between an inlet manifold and a combustion chamber of an internal combustion engine and then upon rotation of said rotary valve to establish communication of said exhaust passage between an exhaust manifold and the combustion chamber, said apparatus comprising timing members which include sets of opposing arcuate members, each set being adjacent one of said inlet or one of said exhaust manifolds on one side and circumferentially adjacent one of said inlet or one of said exhaust manifolds on an opposite side of said arcuate members, said members being movable from a retracted position towards each other to a restricting position in interference with the path of communication established by said rotating valve body between said inlet passage and said inlet manifold and then said exhaust passage and said exhaust manifold

CLASS 134-B, 143595.

Int. Cl. B60k 17/16.

## MECHANICAL TRANSMISSION GEAR FOR CONTINUOUS SPEED CONTROL DEVICE, PARTICULARLY FOR THE ADVANCE MOTION OF MOTOR DRIVEN CULTIVATORS AND TRACTORS.

*Applicant* : NATIONAL INVEST HOLDING INC., AT 35-37 ALBION STREET, SYDNEY, AUSTRALIA

*Inventor* : ANTONIA CARRARO

Application No 497/Cal/76 filed March 20, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## 4 Claims.

A mechanical transmission gear for continuous speed control device particularly for the advance motion of motor driven cultivators and tractors, characterized in that it comprises a first shaft directly coupled to a drive shaft of a motor and driving a second shaft by means of a continuous variable ratio drive unit, said first and second shafts being kinematically connected to a differential system coupled to a third shaft,

which rotates at a speed proportional to the rotational speed difference between said first and second shafts, said third shaft driving the machine drive wheels through a kinematic connection, and said first shaft driving, through a kinematic train, a power take-off

CLASS 186-B., 143596

Int. Cl. G11c 7/00.

INTERFACE MEMORY FOR PULSE CODE TRANSMISSION SYSTEMS.

*Applicant* : SOCIETA' ITALIANA TELECOMUNICAZIONI SIEMENS S.P.A., OF PIAZZALE ZAVATTARI 12, 20149 MILANO, ITALY.

*Inventors* : ROBERTO DELLE DONNE, & LUIGI MUSUMECI

Application No. 811/Cal/76 filed May 10, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An interface memory for pulse code transmission systems characterise in that it comprises in combination :

a series-to-parallel converter (S/P) arranged to be supplied with an input bit flow signal (signal *i*) and controlled by the timing (CKi) signal associated with the said flow;

two registers (M1, M2) which are equal to one another, have a capacity of *n* bits, and are connected to the said converter (S/P),

a parallel-to-series converter (P/S) which is connected to the said registers (M1, M2), is controlled by an output timing signal (CKu), and is arranged to provide an output bit flow signal (signal *u*);

a control circuit (C) arranged to compare reading signals with writing signals (w1, r1 and w2, r2 respectively) from one of the said registers, further characterized in that the said writing signals (w1, w2) relating to the timing signal CKi control transfer of blocks of *n* bits from the said converter (S/P) alternately to either register (M1, M2) in that the said reading signals (r1, r2, relating to the said timing CKu, control application to the said converter (P/S) alternately of the *n* bit blocks stored in either of said registers (M1, M2) in that the said signals (w1, w2, r1, r2) are formed by sequences of pulses with period double that of each bit, and in that the impulses forming each of the said reading signals (r1, r2) occur, when no shift takes place, in the middle of the interval or gap between two successive impulses belonging to the corresponding writing signal (w1, or w2) and in that the said control circuit (C), upon detecting possible overlapping between the said reading and writing signals (w1, r1 and w2, r2, respectively) causes exchange of the pulse sequences forming the said writing signals (w1, w2)

CLASS 33-O & 130F, 143597.

Int. Cl. B22d 37/00.

SLIDE CLOSURE FOR USE IN LIQUID MELT CONTAINERS FOR E.G. STEEL LADLES

*Applicant* : STOPINE AKTIENGESSELLSCHAFT, CH-6300 ZUG 2, SWITZERLAND.

*Inventor* : ERNEST MEIER.

Application No. 1301/Cal/75 filed July 2, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

In a closure element of a slide closure for use in liquid melt containers, eg. steel ladles, said closure element including a metallic support element having bearing surfaces in a first plane and a refractory plate embedded within said support element by means of refractory mortar material and having a first surface embedded in said mortar material, a

second, sliding surface and a passage opening, the improvement comprising :

a plurality of adjustable spacer means adjustable perpendicularly to said first plane and positioned between said support element and said first surface of said plate for selectively adjusting the spacing and positioning therebetween and for aligning said sliding surface of said plate in a second plane parallel with said first plane.

CLASS 128A & 155E, 143598

Int. Cl. A61f 13/00, D04h 1/04.

SURGICAL DRESSING.

*Applicant* : JOHNSON & JOHNSON, OF 501, GEORGE STREET, NEW BRUNSWICK, NEW JERSEY, U.S.A.

*Inventors* : NORMAN R EISDORFER, (2) JOHN M. LESNIAK, (3) BERNARD M. LICHSTEIN.

Application No. 1994/Cal/75 filed October 15, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A surgical dressing comprising a plurality of plies of a textile-like nonwoven fabric of essentially unbonded, mechanically entangled fibers randomly entangled with each other in a pattern of localized entangled regions interconnected by fibers extending between adjacent entangled regions said fabric having a Tensile Energy Absorption value of at least 1.0 foot-pounds per square foot in both the machine and cross directions and said dressing exhibiting an absorption capacity per gram of total fabric at least equal to the absorption capacity per gram of a single ply of said fabric.

CLASS 89, 143599

Int. Cl. G01L 7/00.

MOTION AMPLIFIER FOR CONDITION RESPONSIVE GAUGE INSTRUMENT.

*Applicant* : DRESSER INDUSTRIES, INC., OF REPUBLIC NATIONAL BANK BUILDING, P.O. BOX 718, DALLAS, TEXAS 75221, U.S.A.

*Inventor* : RICHARD FRANS HARRY WETTERHORN.

Application No. 919/Cal/77 filed June 18, 1977.

Division of Application No. 2376/Cal/74 filed October 31, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

In a motion amplifier for a gauge instrument having a displacement producing condition responsive element in which said amplifier includes input means adapted for connection to said condition responsive element for operable displacement therewith and output means operably coaxing with said input means for effecting an out displacement correlated to the input displacement incurred by said input means, the improvement in said amplifier comprising in combination :

(a) a support frame generally U-shaped in transverse section including generally parallel side legs laterally bridged together at their common ends; and

(b) first and second spaced apart rotatable shafts each transversely extending between said side legs and directly journaled therein;

(c) one of said shafts providing rotatable support for said input means and the other of said shafts providing rotatable support for said output means,

CLASS 134A &amp; D.

133600.

8 Claims.

Int. Cl. B60L 15/00.

**CONTROL CIRCUITS FOR ELECTRICALLY DRIVEN VEHICLES.**

*Applicant*: JOSEPH LUCAS (INDUSTRIES) LIMITED, OF GREAT KING STREET, BIRMINGHAM, ENGLAND.

*Inventor*: MAURICE JAMES WRIGHT.

Application No 1363/Cal/74 filed June 20, 1974.

Convention date June 30, 1973(31302/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**5 Claims.**

A control circuit for an electrically driven vehicle, comprising in combination a traction motor for driving the vehicle, an accelerator pedal, means operated by the accelerator pedal for controlling the armature current of the motor, a brake pedal, means operated by the brake pedal for connecting the motor to provide electrical braking of the vehicle, means for preventing such connection of the motor to provide electrical braking when the vehicle speed is in excess of a predetermined value and means for maintaining electrical braking once commenced, when the vehicle speed falls below said predetermined value.

CLASS 190A.

143601.

Int. Cl.-H02k 7/00.

**DYNAMOELECTRIC MACHINE HAVING DAMPER WINDINGS.**

*Applicant*: WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

*Inventors*: LAWRENCE JOHN LONG AND WILLIAM CARL BRENNER.

Application No 2116/Cal/74, filed September 23, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**3 Claims.**

A dynamoelectric machine including a rotor in which the rotor has a cylindrical rotor body with a plurality of longitudinal slots therein forming teeth between them, windings disposed in at least some of said slots, damper means comprising a plurality of low resistance conductors extending longitudinally on the surface of the rotor body, a conductor being placed on each of said teeth, each conductor being a bar of low resistance material having a longitudinal recess therein such that the bar is adapted to fit over a tooth and engage both sides thereof to hold the bar in place, in which each tooth has a shoulder on each side thereof and each bar engages under the shoulders on both sides of a tooth, and means for forcing adjacent bars into tight engagement and electrical contact with each other throughout their length.

CLASS 32-C &amp; E &amp; 84B &amp; 140A.

143602.

Int. Cl. C07c 67/00; 69/00, C10m 1/20; C10-L 1/10

**PROCESS FOR THE PREPARATION OF HYDROXY-ALKYL HYDROXY AROMATIC CONDENSATION PRODUCTS.**

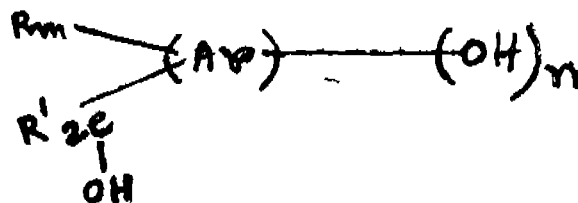
*Applicant*: THE LUBRIZOL CORPORATION, OF BOX 17100 EUCLID STATION, CLEVELAND, OHIO 44117, U.S.A.

*Inventor*: CHARLES PETERSON BRYANT.

Application No 2736/Cal/74 filed December 12, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A process for preparing hydroxyalkyl hydroxy-aromatic condensation product comprising reacting (a) at least one aliphatic hydroxyalkyl hydroxy-aromatic compound of the general formula I



wherein Ar is a phenol, naphthol or bridged phenol moiety containing a bridging unit selected from the group consisting of covalent carbon-to-carbon bonds, an oxygen atom, a sulfur atom, polysulfide, sulfinyl, sulfonyl, amino, methylene, C, to C<sub>7</sub> hydrocarbyl substituted methylene groups, and oxymethylene groups, R is a nonfused hydrocarbyl group of 4 to 700 carbon atoms, each R' is independently a hydrogen atom, alkyl group of one to 36 carbon atoms, or a halogen substituted alkyl group of one to 36 carbon atoms, n is 1 to 3, m is 1 to 5 with the provisos that (i) the total number of carbon atoms in both R' groups does not exceed 36, (ii) the total number of carbon atoms in the R groups is at least 7 and (iii) where m exceeds 1, one of the R groups can also be a R'<sub>2</sub>C—group

OH

with (B) at least one carboxylic acid or carboxylic acid derivative as herein defined at a temperature ranging from 50°C to the decomposition temperature of the reactant or product present having lowest decomposition temperature.

CLASS 84B.

143603

Int. Cl.-C10I 1/00, C10I 10/00

**PROCESS FOR THE PRODUCTION OF SUBSTANTIALLY ASH FREE LIQUID FUELS**

*Applicant*: DIRECTOR-GENERAL OF THE AGENCY OF INDUSTRIAL SCIENCE AND TECHNOLOGY, OF NO. 3-1, 1-CHOME, KASUMIGASEKI, OHIYODA-KU, TOKYO-TO JAPAN.

*Inventors*: HIDEMASA HONDA, YASUHIRO YAMADA AND HITOO KAKIYAMA

Application No. 242/Cal/75 filed February 10, 1975

Convention date February 4, 1975/(4798/75) U.K

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**10 Claims. No drawings.**

A process for the production of a substantially ash free liquid fuel, which process comprises mixing finely divided coal with a heavy oil of the petroleum series (as herein defined) in an amount of at least 50 parts by weight of oil per 100 parts by weight of coal, heating the mixture at a temperature of 400-450°C at atmospheric pressure, allowing lighter fractions to distill, for a time sufficient for said coal to substantially dissolve in the said heated oil, thus forming aggregates of ash material, and thereafter separating said aggregates in any conventional manner.

CLASS 29C &amp; D &amp; 206E

143604

Int. Cl.-G06f 9/00, 15/00.

**A CHARGED COUPLED DEVICE STACK MEMORY SYSTEM**

*Applicant*: BURROUGHS CORPORATION, AT BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

*Inventor*: DEEPAK KUMAR GOYAL

Application No 263/Cal/75 filed February 12, 1975.

13 Claims.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A charge coupled device (CCD) stack memory system providing last-in-first-out operation in response to read and write signals comprising,

an input buffer means for storing data to be inputted to said stack;

an output buffer means for storing data to be outputted from said stack,

a plurality of rows each including a plurality of loops of charge coupled shift register cells,

means for applying a two phase clock to circulate the data bits in said cells,

first logic means for gating data from said input buffer means to the first loop in each said row and from each loop in a said row to the next successive loop in that row in response to a first control signal, for gating data to the said output buffer means from each said first loop and from each loop in a said row to the next preceding loop in that row in response to a second control signal and for gating data around said loop in response to third and fourth control signals,

control means for maintaining an indication of the position of the data bits in said shift register cells, and

second logic means responsive to a said read signal, a said write signal and said indication of said control means to produce said first, second third and fourth control signals

CLASS 34A &amp; 172D.

143605.

Int. Cl-D01h 5/22, D01d 5/16

METHOD FOR WET-DRAFTING AN ASSEMBLY OF STAPLE FIBRES

*Applicant* HOLLANDSE SIGNAAL APPARATEN B.V., ZUIDELIJKE HAVENWEG 40, HINGELO (O), THE NETHERLANDS

*Inventor* JAN NIJHUIS

Application No. 527/Cal/75 filed March 18, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

14 Claims.

Method for wet-drafting a sliver or roving of staple fibres, wherein the wet drafting consists in a continuous process comprising at least two coupled drafting zones, the sliver or roving entering the first of the drafting zones directly after wetting, while said zones together produce a drafting ratio of at least 100 : 1.

CLASS 107F.

143606

Int. Cl-H01t 7/00, 13/00, F02p 15/00

SPARK PLUG ELECTRODE

*Applicant* ROBERT BOSCH GMBH, OF POSTFACH 50 7 STUTTGART 1, WEST GERMANY.

*Inventors* DR HANS-MARTIN WIEDENMANN, WALTER BENEDIKT, DR RAINER CORBACH, LEO STEINKE

Application No 1360/Cal/75 filed July 11, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta

A spark plug electrode which comprises at least one filament arranged substantially in the longitudinal direction of the electrode and made from a corrosion-resistant material which is highly electrically conductive, and a matrix material in which the filament is embedded and which is surrounded by a sheath made from a corrosion-resistant material, the matrix material having a high electrical and thermal conductivity, the electrode having between 5 and 50 per cent by volume of copper or a corrosion-resistant copper alloy as the matrix material.

CLASS 5D.

143607.

Int. Cl-A01b

SELF MEASURING DEVICE FOR INFILTRATION.

*Applicant* SADHANA PANCHOLY, 1-FOUR BUNGLOWS, OLD STATION ROAD, UDAIPUR 313001, RAJASTHAN, INDIA

*Inventor* RAM KUMAR SAXENA.

Application No 1572/Cal/75 filed August 12, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A device used for determining rate of infiltration of water into soils consisting of inner and outer infiltration rings, a lid covering rings to avoid evaporation, a water tank of two separate apartment, delivery tubes mounted with needle valves at the ends for controlled and required water supply inside the rings and means to record the fall in water level of inner apartment of water tank.

CLASS 42A.

143608.

Int. Cl. A24C 5/50.

A METHOD OF MANUFACTURE OF TOBACCO SMOKE FILTER PLUGS.

*Applicant* CIGFIL PRIVATE LIMITED, OF INDIAN OVERSEAS BANK BUILDINGS, 151, ANNA ROAD, MADRAS-600002, TAMIL NADU, INDIA.

*Inventor* RAMANATHAN SAMBANDAM

Application No. 188/Mas/75 filed November 22, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A method of manufacture of tobacco smoke filter plugs comprising uniform blending of adhesive material in fibrous form with filter-fibres; syringing thereon a solvent for the said adhesive material; compressing the filter-fibres followed by drying so as to bond the filter-fibres together; and preparing the filter-plugs from the bonded filter-fibres, the adhesive material being uniformly blended with the filter fibres as aforesaid at any stage or stages (as herein described) prior to the preparation of the filter-plugs

CLASS 42A.

143609

Int. Cl. A24c 5/50

A METHOD OF MANUFACTURE OF TOBACCO SMOKE FILTER PLUGS AND AN APPARATUS FOR CARRYING OUT THE SAID METHOD

*Applicant* CIGFIL PRIVATE LIMITED, OF INDIAN OVERSEAS BANK BUILDINGS, 151, ANNA ROAD, MADRAS-600002, TAMIL NADU, INDIA

*Inventor* RAMANATHAN SAMBANDAM

Application No 189/Mas/75 filed November 22, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 14 Claims.

A method of manufacture of tobacco smoke filter plugs comprising uniform distribution of adhesive material amongst filter-fibres; partial bonding of the filter-fibres together by spraying thereon a solvent (for the said adhesive material) or a plasticizer, preparing filter-plugs from the partially bonded filter-fibres, and completing the bonding of the filter-fibres by exposing the filter-plugs to vapour of the solvent, the adhesive material being uniformly distributed amongst the filter fibres as aforesaid at any stage or stages (as herein described) prior to the preparation of the filter-plugs.

CLASS 87A. 143610.

Int. Cl. A63b 19/00, 21/00.

#### A PHYSICAL EXERCISE APPARATUS.

*Applicant & Inventor* : MAYOOR CHINUBHAI GANDHI, AT SHREYAS, NARIMAN POINT, BOMBAY-400020, STATE OF MAHARASHTRA, INDIA

Application No 248/Bom/75 filed September 12, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 2 Claims.

A physical exercise apparatus comprising a pair of cords of a predetermined length, each cord passing over a pulley fixed in a pulley block and each cord having at one end a manual grip consisting of a clasp hook with a roller held between its prongs rotatably and having at its other end a foothold constituted by passing the cord through a disc having five holes, one in the centre and four symmetrically disposed to it, the said holes being respectively designated hereafter P, P<sub>1</sub>, P<sub>2</sub>, P<sub>3</sub> and P<sub>4</sub> for the sake of reference, the cord passing through the hole P<sub>1</sub> and then through a tubular sleeve of a predetermined length and then through the hole P<sub>2</sub>, the sleeve forming a loop for a foothold, the cord next passing through the hole P<sub>3</sub> and then through a tubular sleeve of the same length as the former one and then through the hole P<sub>4</sub>, the second sleeve forming a loop for the second foothold, the cord being then drawn through the central hole P and tightly knotted, each pulley block being suspended from the end loops of a suspension member having a central loop or hole for suspension of the apparatus directly or indirectly from a wall hook or bracket

CLASS 107-E. 143611.

Int. Cl. F01n 5/04.

#### A DEVICE FOR IMPROVING THE PERFORMANCE OF AN INTERNAL COMBUSTION ENGINE.

*Applicant & Inventor* : RAMESH KRISHNA KUI KARNY, OF 11 GANESHWADI, PUNE-411004, STATE OF MAHARASHTRA, INDIA.

Application No 251/Bom/75 filed September 15, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

#### 7 Claims.

A device for improving the performance of an internal combustion engine, said device comprising a diverging regenerator tube the narrow input end whereof is connectable to the exhaust duct of said engine and the wide output end whereof is joined to an input end of a receiver chamber of a volume substantially larger than the piston displacement of the engine, the output end thereof remote from said input end being open to the atmosphere, at least one diverging analyzer tube located inside said receiver chamber towards the output end of the receiver chamber, with its wide output end disposed on the output end side of the receiver chamber, said analyzer tube being partitioned into a plurality of compartments and provided with a plurality of apertures, on its

wall or walls, a synthesizer chamber disposed around said analyzer tube and defined by the wall or walls of the receiver chamber and the wall of the analyzer tube, said synthesizer chamber being partitioned into a plurality of compartments.

CLASS 5A. 143612.

Int. Cl. A01b 5/02.

#### AN ANIMAL DRAWN PLOUGH.

*Applicant & Inventor* : SRINIVASAN CHANDRASEKHARAN, NO 6, 42ND STREET, NANGANALLUR, MADRAS-600061, TAMIL NADU, INDIA.

Application No. 111/Mas/76 filed June 22, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 7 Claims.

An animal drawn plough comprising at least one ploughing-disc rotatably mounted on either side of a frame; a draw-bar pivoted to the frame for harnessing at least one animal thereto, and a handle fixed to the frame for manually controlling the direction and movement of the ploughing operation, characterised in that scrapers are provided for the ploughing-discs for scraping away the soil adhering thereto, the scrapers being fixed to the frame, the draw-bar is disposed within a collar mounted on the frame and fastening means are provided for fastening the draw-bar to the collar in any desired position, and a safety beam is attached to the frame for preventing any contact between the animal and the ploughing-discs.

CLASS 64B, 143613.

Int. Cl. H01r 7/06.

#### METALLIC COUPLING FOR CONNECTING ELECTRICAL CONDUCTORS WITHOUT SOLDERING.

*Applicant & Inventor* : SHRI SUNAND GOPAL SAHARABUDHE, C/O A. G. ELECTRIC, 1339 SADASHIV PETH, POONA-411030, MAHARASHTRA STATE, INDIA

Application No 147/Bom/76 filed May 10, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

#### 1 Claim

A metallic coupling for connecting the electrical conductors without soldering comprises a metallic coupling in two halves where in a upper half has a semicircular recess along its length to fit over the electrical conductor (hereinafter called main conductor) to which other conductor is to be connected and the said upper half has two projections on its bottom side and along its length to hold the lower half in it and the lower half of the metallic coupling has two grooves on its top side and along its length to enable to assemble the said upper half and lower half together by sliding them in each other with the help of projections provided in upper half and grooves provided in lower half and the said lower half has a semicircular recess on its top, face & along its length to fit under the main conductor and has a hole below the said semicircular recess to hold the other conductor to be connected to main conductor and when the said upper half of metallic coupling is put on the main conductor and the said lower half is assembled with the upper half by sliding them in each other longitudinally and then other conductor is put in the hole provided in the said lower half, the said assembly of two halves of said metallic coupling can be pressed together by suitable plier or tool which in turn can produce a perfect connection between the main and other conductor without soldering them together

CLASS 127-I 143614.

Int. Cl. F16m 1/04

#### A DEVICE FOR HARNESSING ANIMAL POWER

*Applicant & Inventor* : CHERAM PARAMBIL MUHAMMAD, SALIM MANZIL, P.O. KAVUKKOD, (VIA) CHAISSERY, KERALA, INDIA

Application No. 207/Mas/76 filed October 27, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 5 Claims.

A device for harnessing power from animals, consisting of an inclined plane comprising of a flexible endless flat belt that is supported over a series of rollers and at least one pulley, the said rollers and pulley being rotatably fixed at their ends in a strong frame in such a way that the axes of said rollers and pulley being horizontal and the plane containing these being inclined to horizontal, the arrangement being such that the power of the animal is harnessed by the continuous walking up of the animal along the said inclined flat belt, so that the belt moves thereby rotating said pulley power being taken out from the shaft of the pulley.

CLASS 92C.

143615.

Int. Cl.-B02b 1/08, 3/00

IMPROVEMENTS IN OR RELATING TO THE DECORTICATING DECUTICLING AND DEGERMING OF GROUNDNUTS.

*Applicant & Inventor* : BUKKARAYASAMUDRAM LAKSHMI NARASIMHA CHAR, DUVVURI ATCHYUTA RAMAYYA, GOOTY AZEEMODDIN AND SIRDESAI THIRUMALA RAO, ALL OF OIL TECHNOLOGICAL RESEARCH INSTITUTE, ANANTAPUR, ANDHRA PRADESH, INDIA.

Application No. 241/Mas/76 filed December 6, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 10 Claims.

A process for the simultaneous decortivating, decuticling and degerming of groundnuts,—

- (i) by subjecting roasted groundnut pods in a trough-type grate to a beating action by a beater having projecting rods and rotating in a vertical plane coaxially in the said trough-type grate, whereby the shells are broken, the cuticles are peeled off, the kernels are split into halves and the germs knocked off from the split kernels; and thereafter
- (ii) subjecting the resulting mixed product to the separation of the kernels from the other constituents thereof by any known process of separation.

CLASS 136E & 155D.

143616.

Int. Cl.-B29d 9/00, E04c 1/40.

IMPROVED METHOD FOR MANUFACTURE OF SYNTHETIC RESIN MOULDINGS FROM LIQUID SYNTHETIC RESINS.

*Applicant* : DIMENSIONAL PLASTIGLAS INDUSTRIES, 112-117 INDUSTRIAL AREA, JHOTWARA, JAIPUR (INDIA).

*Inventor* : BRAHM DUTT SHARMA

Application No. 2576/Cal/73 filed November 23, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 6 Claims.

A method of making synthetic resin laminates from a liquid synthetic resin characterized in that it comprises keeping resin in contact with a sheet having a plurality of irregularly disposed facets which cooperate to define elevations and depressions and the majority of which intersect to form sharp creases in the sheet, at least until the resin reaches a soft-gel state, and curing the resin to make it solid.

#### OPPOSITION PROCEEDINGS

##### (1)

The opposition entered by Mefina S A to the grant of a patent on application No 141517 made by David Sushil

Pillai, as notified in Part III, Section 2 of the Gazette of India dated the 15th October 1977 has been dismissed.

##### (2)

An opposition has been entered by Pulling Lifting Machines Private Limited to the grant of a Patent on application No. 142110 made by Tractel Tufor India Private Limited.

##### (3)

An opposition has been entered by Card Chem Industries to the grant of a patent on Application No. 142208 made by The Western India Plywoods Ltd.

##### (4)

An opposition has been entered by Card Chem Industries to the grant of a patent on Application No. 142209 made by The Western India Plywoods Ltd.

#### PATENTS SEALED

140443 140689 140745 140806 141302 141329 141352 141382 141394 141395 141397 141399 141402 141415 141416 141417 141419 141428 141434 141457 141459 141467 141478 141490 141535 141588 141594 141624 141637 141692 142060

#### REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests.—

100177.

100583.

104071

107715

M/s. Tetra Pak Development S.A

#### PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
80416 (20-4-72)	Process for producing 7-dehydrosterols
9116 (20-4-72)	Improvements in process for preparing tri-cyclic esters.
119768 (20-4-72)	A method for producing a magnesium salt of penicillin
125352 (20-4-72)	Process for the preparation of 1-carbamoyl-3-phenylpyrrolidines.
125773 (20-4-72)	Process of purifying proteins of blood serum or plasma
130526 (11-3-71)	2-6-dinitroaniline derivatives and plant growth regulating composition thereof
133959 (20-4-72)	a process for the preparation of 9 $\beta$ , 11 $\beta$ -epoxy steroids.
134118 (20-4-72)	process of purifying proteins of blood serum or plasma
135572 (22-9-72)	Improvements in or relating to the upgrading or beneficiation of manganese ores

#### RENEWAL FEES PAID

85652 85704 85758 85802 85845 85856 86139 86300 86898 86986 91098 91408 91616 91641 91922 92384 92385 92525 92529 96605 96606 96710 96787 96855 96857 96952 97124 97196 97476 97486 97487 97490 97585 97614 97817 98778 98782 99061 101768 102483 102495 102707 102816 102868 102881 102965 103020 103052 103099 103123 103226 103272

104286 104329 104582 104652 104653 104661 105234 107076  
 107860 107942 108003 108004 108145 108222 108253 108404  
 108405 108480 108566 108578 108687 112035 113193 113373  
 113426 113433 113453 113482 113526 113527 113543 113557  
 113811 113846 113857 114031 114284 114821 114907 115081  
 118233 118453 118569 118637 118822 118857 118870 118978  
 119072 119023 119075 119129 119134 119168 119296 119509  
 119990 120627 121768 123939 123940 123941 123942 123943  
 124033 124198 124214 124242 124245 124342 124343 124382  
 124407 124408 124411 124412 124458 124468 124545 124560  
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 125787 125821 129108 129109 129478 129489 129500 129576  
 129583 129628 129644 129650 129662 129663 129664 129686  
 129741 129932 129936 130017 130373 131299 132924 133572  
 133580 133581 133789 133827 133836 133913 133941 133967  
 133974 133975 133985 134009 134016 134041 134101 134117  
 134193 134278 134411 134440 134441 134475 135086 135403  
 135757 135789 136064 136100 136129 136154 136193 136341  
 136397 136649 136650 136736 136803 136807 136852 136886  
 136933 137003 137020 137023 137060 137236 137266 137469  
 137590 137638 137892 137937 137979 138015 138028 138060  
 138071 138191 138326 138528 138597 138716 138880 139153  
 139230 139345 139400 139401 139662 139736 139886 140014  
 140085 140180 140188 140210 140223 140259 140274 140415  
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 140804 140861 140933 140974 141001 141012 141014 141028  
 141032 141037 141038 141039 141050 141059 141102 141108  
 141145 141150 141213 141228 141241 141255 141471 141557  
 142136

#### CESSATION OF PATENTS

95944 100147 100182 100183 100190 100202 100208 100209  
 100210 100256 100282 100300 100302 100303 100304 100316  
 100329 100346 100377 100391 100402 100404 100411 100416  
 100478 100480 100482 100503 100518 100520 100526 100529  
 122356 128513 140330 140535

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

- Class 1. No. 145369. S Raj Trading Corporation, of 243, Nagdevi Street, Bombay-400003, State of Maharashtra, India, a sole-proprietory concern "Wrist watch winding buttons". March 23, 1977
- Class 1. No. 145413. Raj Kamal Metal Industries, Kant House, Bara Darj, Moradabad (U.P.), India, (a firm duly registered under the Indian Partnership Act). "Kettle". April 7, 1977.
- Class 1. No. 145430. Surrendra Kumar Kaila and Ram Chander Wahi (all Indians), trading as Bonanzo Enterprises, 63, Najafgarh Road, New Delhi-110015 "Wheels for overhead trolley". April 11, 1977.
- Class 1. No. 145508. David Sushil Pillal, of L-18, Rajouri Garden, New Delhi-110027, Indian, an Indian National "Emergency light" May 5, 1977.
- Class 1. No. 145512. Regal Industrial Corporation, a sole proprietary concern, at Room No. 122, Bha-

rat Industrial Estate, 1st floor, Tokersi Jivraj Road, Sewri, Bombay-400015, Maharashtra, India. "Brief case handle" May 6, 1977

- Class 1. No. 145526. Ranutrol Private Limited, 9/54, Kirti Nagar Industrial Area, New Delhi-110015, a company incorporated under the Companies Act, 1956 "Electromagnetic relay (plug-in type)". May 10, 1977
- Class 1. No. 145527. Ranutrol Private Limited, 9/54, Kirti Nagar Industrial Area, New Delhi-110015, India, a company incorporated under the Companies Act, 1956. "Industrial miniature relay" May 10, 1977.
- Class 1. No. 145528. Ranutrol Private Limited, 9/54, Kirti Nagar Industrial Area, New Delhi-110015, India, a company incorporated under the Companies Act, 1956 "Automatic defrost thermostat" May 10, 1977.
- Class 1. No. 145529. Ranutrol Private Limited, 9/54, Kirti Nagar Industrial Area, New Delhi-110015, India, a company incorporated under the Companies Act, 1956 "Electromagnetic relay (chassis-mounting type)" May 10, 1977.
- Class 1. No. 145530. Ranutrol Private Limited, 9/54, Kirti Nagar Industrial Area, New Delhi-110015, India, a company incorporated under the Companies Act, 1956. "Rotary switch". May 10, 1977
- Class 1. No. 145531. Ranutrol Private Limited, 9/54, Kirti Nagar Industrial Area, New Delhi-110015, India, a company incorporated under the Companies Act, 1956. "Filter drier". May 10, 1977.
- Class 3. No. 145382. Mona Toys Industries, of C-124, Rewari Line, Industrial Area, Phase-II, Mayapuri, New Delhi-27, India. "Toys". March 29, 1977.
- Class 3. No. 145484. Industrial Medical Engineers, Caxton House, 2-E Rani Jhansi Road, Jhandewalan, New Delhi-110055, a firm registered under the partnership Act, 1932 "Apparatus for resuscitation". April 25, 1977.
- Class 3. No. 145503. Bright Brothers Limited, a Company Incorporated in India, 156A Tardeo Road, City of Bombay, State of Maharashtra, India "Lids". May 2, 1977.
- Class 3. Nos. 145536 to 145539. Bata India Limited, a public limited company incorporated under the Indian Companies Act, at No. 30, Shakespeare Sarani, in the town of Calcutta, West Bengal, India "A sole for footwear". May 11, 1977.
- Class 3. No. 145575. Spredaroma Private Limited, of P-15, New C.I.T. Road, Scheme No. LVII, India, Exchange Place Extn. Calcutta-700073, West Bengal, India an Indian Company. "A bottle". May 13, 1977.
- Class 4. No. 145576. Spredaroma Private Limited, of P-15, New C.I.T. Road, Scheme No. LVII, India Exchange Place Extn. Calcutta-700073, West Bengal, India, an Indian Company. "A bottle". May 13, 1977.

#### COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 143442, 143444 & 144006 . Class 3.

S. VEDARAMAN

Controller-General of Patents, Designs and Trade Marks

